



Professional Graphics by  
**PNY**



## NVIDIA® Quadro® 4000 SDI I/O by PNY Technologies®

VCQ4000SDI-IO-PB

**NVIDIA Quadro 4000 SDI I/O by PNY Technologies** delivers the industry's first fully integrated GPU-based solution for acquisition, processing and delivery of high resolution video providing the lowest system latency for real-time compositing. This innovative solution enables advanced capabilities for graphics rich production and delivery of video for broadcast, post production, film and new media.

NVIDIA Quadro 4000 SDI I/O by PNY enables multi-stream, uncompressed video to be streamed directly to GPU memory and provides an integrated graphics-to-video solution enabling 2D and 3D effects to be composited in real-time with 2K, HD and SD video.

- Capture up to 4 HD-SDI Single link sources simultaneously
- Supports input of all SMPTE standard formats (3G, 2K, HD and SD) through 75 Ohm BNC connectors
- Supports output of 2K, HD and SD video formats uncompressed 8-bit, 10-bit or 12-bit SDI
- Indicator LEDs on the bracket provide easy error detection

### PNY Advantage:

- 3 year warranty
- Support for NVIDIA Quadro by PNY in all system brands
- Pre- and post-sales technical support
- Toll-free professional technical support
- Dedicated Field Application Engineers

PNY provides unsurpassed service and commitment to its professional graphics customers. In addition, PNY delivers a complete solution including the appropriate adapters, cables, brackets, driver CD and documentation to ensure a quick and successful install.



### PRODUCT SPECIFICATIONS:

Memory	2.0GB GDDR5
Memory Interface	256-bit
Memory Bandwidth	89.6GB/sec
CUDA Parallel Processing Cores	256
Physical dimensions (Quadro 4000)	ATX form factor, 4.376 inches high x 9.50 inches long
Physical dimensions (SDI Input Card)	ATX form factor, 4.376 inches high x 6.660 inches long
Physical dimensions (SDI Output Card)	ATX form factor, 3.875 inches high x 6.60 inches long
Maximum Power Consumption (Quadro 4000)	142W
Maximum Power Consumption (SDI Input Card)	19W
Maximum Power Consumption (SDI Output Card)	7W
Graphics Bus (Quadro 4000)	PCI Express Gen 2 x16
Graphics Bus (SDI Input Card)	PCI Express Gen 1 x8
Graphics Bus (SDI Output Card)	Not applicable, for mechanical stabilization only
Display Connectors (Quadro 4000)	DVI-I DL + DisplayPort (2) + ST (via Bracket)
Dual Link DVI	Yes (1), used by crossover cable
DisplayPort	Yes (2)
Connectors (SDI Input Card)	Inputs: 4 BNCs (4 Single Link, 2 Dual Link, 2 3G-SDI Single Link, 1 3G SDI Dual-Link); Outputs: 1 Monitor out (BNC)
Connectors (SDI Output Card)	BNC Fill, BNC Key, BNC Input (Sync)
Auxiliary power connectors (Quadro 4000)	Yes (1) 6-pin
Auxiliary power connectors (SDI Input Card)	Yes (1) 6-pin
Thermal Solution (Quadro 4000)	Active fansink
PNY part number	VCQ4000SDI-IO-PB

For more information visit: [www.pny.com/quadro](http://www.pny.com/quadro)

**PNY**  
Make Life Simple™

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